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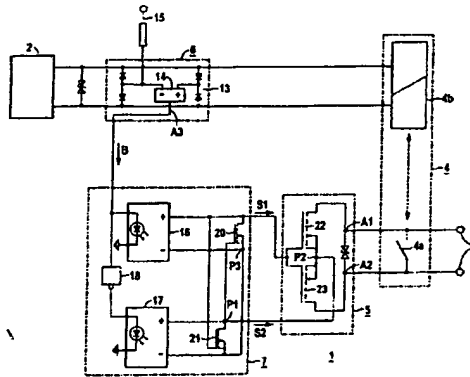
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(54) Title: ELECTRICAL CIRCUIT COMPRISING AN ELECTROMAGNETIC RELAY AND A SWITCHING ARRANGEMENT WHICH IS MOUNTED IN PARALLEL TO A CONTACT OF THE ELECTROMAGNETIC RELAY

(54) Bezeichnung: ELEKTRISCHE SCHALTANORDNUNG MIT EINEM ELEKTROMAGNETISCHEN RELAIS UND EINER ZU EINEM KONTAKT DES ELEKTROMAGNETISCHEN RELAIS PARALLEL ANGEORDNETEN SCHALTEINRICHTUNG



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(57) Abstract: The invention relates to an electrical circuit (1) comprising an electromagnetic relay (4) and a switching arrangement (5), the outputs (A1, A2) of said switching arrangement being mounted in parallel to a contact (4a) of the electromagnetic relay (4). A control system (2) is connected to the coil (4b) of the relay (4) and the switching arrangement (5). The aim of the invention is to create one such circuit in a relatively interference-free manner. To this end, a voltage detection unit (6) is arranged between the control system (2) and the coil (4b). A first switching signal (S1) is produced, at a switching-on command, by means of a control unit (7) which is arranged downstream from the voltage detection device (6), said signal short-circuiting the outputs (A1, A2) of the switching arrangement (5). At the end of the switching-on command, the outputs (A1, A2) of the switching arrangement (5) remain short-circuited until the contact (4a) of the relay (4) is opened. In the absence of a switching-on command, a second switching signal (S2) is produced by means of the voltage detection device (6) and the control unit (7), eliminating the short-circuiting of the outputs (A1, A2) of the switching arrangement (5).

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